

## CLAIMS:

1. An electric lamp (1) comprising:
  - an elliptical reflector body (3) comprising a light emission window (5) and surrounding a light chamber (7), and having a first focus (F1) in the light chamber and a second focus (F2) outside the light chamber,
  - 5 a reflector coating (9) provided on the reflector body, which coating reflects visible light;
  - a light-transmitting cover (11) connected to the reflector body at the area of the light emission window;
  - 10 a light source (13) arranged in the light chamber in the location of the first focus,

characterized in that the light-transmitting cover is provided with means (15) for blocking infrared (IR) radiation.
2. An electric lamp as claimed in claim 1, characterized in that the means for
  - 15 excluding infrared radiation comprise an infrared-reflecting coating.
3. An electric lamp as claimed in claim 1 or 2, characterized in that the cover is red or amber in color.
- 20 4. An electric lamp as claimed in claim 2 or 3, characterized in that the reflector coating transmits infrared radiation.
5. An electric lamp as claimed in claim 1, 2, 3 or 4, characterized in that the cover is an elliptically or parabolically curved cover.
- 25 6. An electric lamp as claimed in claim 5, characterized in that the cover is elliptically curved and has two focuses ( $F_{lid}$ ), each focus being located on the light source.
7. An electric lamp as claimed in claim 5, characterized in that the cover is parabolically curved and has a focus ( $F_{lid}$ ) which is located on the light source.

8. A light projector comprising an electric lamp (1) as claimed in any one of the preceding claims, and an optical fiber (17) whose end (19) is located in the second focus (F2) of the elliptical reflector (3).